

EXHIBIT

DATE

9
Jan. 17, 2013

Helena Valley Irrigation District

HB

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HVID Pump Automation Project

The proposed project has been identified by the HVID and BOR as a priority for the HVID system due to its aged condition, increasing O&M costs, water conservation benefits, safety hazards, and its potential for failure. A field review was conducted in November 2011 and March 2012 to observe the condition of the pump station instrumentation. During these visits signs of wear were evident within the control and monitoring instrumentation. Many of the gages are old dial type gages that have glass protective faces that are in poor condition or are inoperable. These problems are resulting in significant additional O&M by the HVID to be able to monitor the system. The Helena Valley Irrigation District is applying for funds from the RRGL program to implement an electronic supervisory control and data acquisition (SCADA) system at the HVID Pump Station to remotely control and monitor the pump station. Currently, the pump station is run by manual controls located at the pump station below Canyon Ferry Dam. By having remote control and monitoring systems in place, the HVID will be able to make real-time decisions regarding water delivery and pumping rates from the Missouri River.

The proposed project will improve conservation, management, development, and preservation of land and water resources within the HVID. The result of the proposed project will be the conservation of over 960 acre-feet (310 million gallons) of water each year, a savings of over 480 man hours per year of operation and maintenance and the preservation of one of the most important water sources in the Helena Valley.

The automation of the HVID pump station will provide the following benefits:

- Preservation of the pumping facility
- Preservation of crop production
- Preservation of fish and wildlife habitat and uses
- Increased management efficiency
- Conservation of energy
- Preservation of a long-term and adequate water supply to the City of Helena and the Helena Valley Regulating Reservoir
- Protection of the salmon fishery and corresponding waterfowl and wildlife use and habitat
- Preservation of a long-term and adequate water supply to provide flow augmentation resulting in the preservation of the Prickly Pear Creek fishery
- Protection of the critical spawning habitat and fish populations within Lake Helena
- Preservation of a long-term and adequate water supply to the artificial wetland
- Increased on-farm efficiencies
- Elimination of additional operation and maintenance costs
- Return lost revenues to the local economy

Grant Request Amount: \$100,000.00

HVID Match Amount: \$30,450.00

Estimated Total Project Cost: \$130,450.00

Helena Valley Irrigation District sincerely appreciates your consideration of this project and hopes that you will find it as important and necessary as our residents and your constituents have.

